

Name \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Multiple Representations of Portions Review

**Example 1: Name the given portion as a fraction and as a percent. 0.3**

**Solution:** The digit 3 is in the tenths place so  $0.3 = \text{three-tenths} = \frac{3}{10}$ . On a diagram or a hundreds grid, 3 parts out of 10 is equivalent to 30 parts out of 100 so  $\frac{3}{10} = \frac{30}{100} = 30\%$ .

**Example 2: Name the given portion as a fraction and as a decimal. 35%**

**Solution:**  $35\% = \frac{35}{100} = \text{thirty-five-hundredths} = 0.35$ ;  $\frac{35}{100} = \frac{7}{20}$

Now try out your skills. For each portion of a whole, write it as a percent, fraction, and a decimal.

1. 6%

2. 0.35

3.  $\frac{1}{4}$

4.  $\frac{2}{5}$

5. 0.16

6. 87%

7.  $\frac{13}{25}$

8. 21%

9.  $\frac{7}{50}$

10. 0.050

11. 65%

12. 3.7%

13.  $\frac{7}{10}$

14. 0.66

15.  $\frac{19}{20}$

16. 20%

17. 0.23

18. 1.0

19. 135%

20.  $\frac{77}{100}$